

Title (en)

Method for curing coating films by different radiations

Title (de)

Verfahren zum Härten von Lackschichten mit verschiedenen Bestrahlungen

Title (fr)

Procédé pour durcir des couches de laque par radiations différentes

Publication

**EP 0923995 A3 20000308 (DE)**

Application

**EP 98123020 A 19981207**

Priority

DE 19754621 A 19971209

Abstract (en)

[origin: EP0923995A2] Radiation cured polyacrylate oligomer coatings e.g. copolymers of polyurethane, polyester, polyether and epoxy acrylates on wood substrates are exposed to an infra red radiation beam, wavelength 10.6 microns , from a carbon dioxide laser, to raise the temperature of the 20-250 microns coating layer to 160-220 degrees C. Addition of 5-10 % wt. polyethylene wax and 3-7 % wt. silica can be made to the lacquer.

IPC 1-7

**B05D 3/06**

IPC 8 full level

**B05D 3/02** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP)

**B05D 3/0263** (2013.01); **B05D 3/06** (2013.01); **B05D 3/067** (2013.01); **B05D 3/068** (2013.01)

Citation (search report)

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- [Y] DE 3641301 A1 19880616 - LICENTIA GMBH [DE]
- [A] EP 0524417 A1 19930127 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] US 4393187 A 19830712 - BOBA JOSEPH, et al

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**DE 19754621 A1 19990610**; **DE 19754621 C2 20020321**; EP 0923995 A2 19990623; EP 0923995 A3 20000308

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**DE 19754621 A 19971209**; EP 98123020 A 19981207